

Docket No.: LSI-006
Serial No.: 10/660,317

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A reflector for a luminaire having a light source securable therein and openings through which light is emitted, comprising:

a plurality of reflector elements, each having an asymmetric shape, disposed around said light source in a manner substantially surrounding said light source in the area generally adjacent to the lowest light emitting point of said light source and continuing to the area generally adjacent to the highest light emitting point or top of said light source and wherein said light source is not physically enclosed by said reflector elements.

2. (currently amended) The reflector of claim 1 wherein said reflector elements are shaped and positioned such that substantially all of the light reflected from said reflectors is reflected at substantially the same angle from nadir and does not reflect off any other reflector elements of said luminaire.

3. (currently amended) The reflector of claim 1 wherein said reflector elements are shaped and positioned such that light reflected from said reflector elements reflectors is reflected at varying angles from nadir.

4. (original) The reflector of claim 1 wherein said reflector elements are held in place with a lens surrounding at least a portion of said reflector.

5. (cancelled)

6. (original) The reflector of claim 1 wherein said reflector elements have cross-sectional shapes that are generally parabolic in the vertical plane and generally elliptical in the horizontal plane.

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7. (original) The reflector of claim 1 wherein said reflector elements have cross-sectional shapes that are generally elliptical in the vertical plane and generally parabolic in the horizontal plane.
8. (currently amended) The reflector of claim 2 wherein there are four reflector elements placed in locations symmetrically arranged in ninety degree increments around said light source.
9. (currently amended) The reflector of claim 2 wherein said reflector elements are placed in locations symmetrically around said light source.
10. (currently amended) The reflector of claim 3 wherein said reflector elements are placed in locations asymmetrically around said light source.
11. (original) The reflector of claim 2 wherein the reflection at said angle is approximately a seventy degree angle from nadir.
12. (currently amended) The reflector of claim 1 wherein said reflector elements have a plurality of cross-sections with generally parabolic shapes of different sizes in the vertical planes plane and generally elliptical shapes of different sizes in the horizontal planes plane.
13. (currently amended) The reflector of claim 1 wherein said reflector elements have a plurality of cross-sections with generally elliptical shapes of different sizes in the vertical planes plane and generally parabolic shapes of different sizes in the horizontal planes plane.
14. (withdrawn) A luminaire comprising: at least one lamp; a lamp socket for each of said lamps, wherein each of said lamp sockets is sized to receive the base of a said lamp, said lamp sockets being electrically connected to a power source and having an electrical contact and being electrically connectable to the bases of said lamps; a plurality of reflector elements disposed around said lamp in a manner substantially surrounding said lamp in the area generally adjacent to the lowest light emitting point of said lamp and continuing to the area generally adjacent to the

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highest light emitting point or top of said lamp and wherein said lamp is not physically enclosed by said reflector elements; and a means for holding said lamps and said reflectors.

15. (withdrawn) The luminaire of claim 14 wherein said reflector elements are shaped and positioned such that substantially all of the light reflected from said reflectors is reflected at substantially the same angle and does not reflect off any other elements of said luminaire

16. (withdrawn) The luminaire of claim 14 wherein said reflector elements are shaped and positioned such that light reflected from said reflectors is reflected at varying angles.

Claims 17 – 22 (cancelled)

23. (withdrawn) The luminaire of claim 14 wherein said luminaire has a single lamp.

24. (withdrawn) The luminaire of claim 14 wherein said reflector elements have cross-sectional shapes that are generally parabolic in the vertical plane and generally elliptical in the horizontal plane.

25. (withdrawn) The luminaire of claim 14 wherein said reflector elements have cross-sectional shapes that are generally elliptical in the vertical plane and generally parabolic in the horizontal plane.

26. (withdrawn) The luminaire of claim 15 wherein there are four reflector elements symmetrically arranged in ninety degree increments around said lamp.

27. (withdrawn) The luminaire of claim 15 wherein said reflector elements are placed symmetrically around said lamp.

Claims 28-33 (cancelled)

34. (new) The reflector of Claim 1 wherein each reflector element has a bottom edge, and

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wherein all of the light output from the light source that is not initially directed below the bottom edges of the reflector elements, is reflected by the plurality of reflector elements.

35. (new) A reflector assembly positionable within a luminaire that has a centrally-positioned light source, the reflector assembly consisting of a plurality of reflector elements comprising at least a first and a second reflector element, each reflector element having:

- a. a bottom edge,
- b. a front surface that reflects light emitted by the light source, and
- c. a back surface,

wherein the plurality of reflectors elements are positionable to surround the light source, wherein the front surface of the first reflector element and the back surface of the second reflector element are separated to provide an opening through which can be emitted light from the light source, which is emitted above the bottom edges and is reflected from the front surface of the first reflector element.

36. (new) The reflector of claim 34 wherein said reflector elements are shaped and positioned such that substantially all of the light reflected from the front surface of the plurality of reflector elements is reflected at substantially the same angle from nadir.

37. (new) The reflector of claim 34 wherein the plurality of reflector elements have a cross-sectional shape that is generally parabolic in the vertical plane and generally elliptical in the horizontal plane.

38. (new) The reflector of claim 34 wherein there are four reflector elements symmetrically arranged in ninety degree increments around the light source.

39. (new) The reflector of claim 34 wherein substantially none of the reflected light is reflected again by either the first reflector element or the second reflector element.

40. (new) The reflector of claim 34 wherein the reflector elements have an asymmetrical shape.

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41. (new) A reflector assembly positionable within a luminaire that has a centrally-positioned light source, the reflector assembly comprising of a plurality of reflector elements arranged around a center, each reflector element having a front reflective surface and a back surface, an inner portion that is disposed a first radial distance from the center, and an outer portion disposed a second radial distance from the center that is greater than the first radial distance, wherein the front surface of the outer portion of the first reflector surface faces toward the back surface of the inner portion of the second reflector element across an opening there between, and wherein emitted light from the center of the reflector assembly that reflects off of the front surface of the first reflector element, passes through the opening between the outer portion of the first reflector element and the back surface of the second reflector element.

42. (new) The reflector of claim 41 wherein said reflector elements are shaped and positioned such that substantially all of the light reflected from the front surface of the plurality of reflector elements is reflected at substantially the same angle from nadir.

43. (new) The reflector of claim 41 wherein the plurality of reflector elements have a cross-sectional shape that is generally parabolic in the vertical plane and generally elliptical in the horizontal plane.

44. (new) The reflector of claim 41 wherein there are four reflector elements symmetrically arranged in ninety degree increments around the light source.

45. (new) The reflector of claim 41 wherein substantially none of the reflected light is reflected again by either the first reflector element or the second reflector element.

46. (new) The reflector of claim 41 wherein the reflector elements have an asymmetrical shape.